

DATE: November 21, 2019

TO: Todd Wyett, Chairman
State Transportation Commission

FROM: Paul C. Ajegba
Director

SUBJECT: Waiver of Commission Approval

The projects and descriptions documented in Exhibit A, attached, are contracts between the Michigan Department of Transportation and local public agencies. These contracts require approval of the State Transportation Commission (STC). The approximate nine-week delay if Commission approval were deferred to the next STC meeting of January 23, 2020, would result in a delay in transmittal of funds, jeopardize project schedules, and transportation services.

The projects and descriptions documented in Exhibit A-1 attached, will be let by the Michigan Department of Transportation on December 6, 2019, and January 15, 2020. These projects require pre-approval as the engineers' estimates are over \$500,000. The approximate nine-week delay resulting if Commission pre-approval were deferred to the next STC meeting on January 23, 2020, would delay the transmittal of the contract documents to the low bidders, and jeopardize the construction schedules.

The projects and descriptions documented in Exhibit A-2, attached, were let by the Michigan Department of Transportation on November 1, 2019. The low bids received were more than 10% over the engineers' estimate, or only received one bid, and therefore require approval by the STC. The approximate nine-week delay resulting if Commission approval were deferred to the next STC meeting on January 23, 2020, would delay the transmittal of the contract documents to the low bidders, and jeopardize the construction schedule.

The projects and descriptions documented in Exhibit A-3, attached, were let on November 1, 2019. These projects are being submitted for informational purposes since only one bid was received for these projects and the engineers' estimate was less than \$500,000.

Thus, a waiver of the required Commission approval is requested, as provided in Commission Resolution 79-3, as amended, footnote F:

"If, in the opinion of the Director, the public interest requires that a certain contract be awarded or an agreement be executed prior to approval by the Commission, hereunder, the Director shall seek a waiver of the required approval from the Chairman of the Transportation Commission. If the request of the approval is verbal, the waiver shall be confirmed, in writing, within fourteen (14) days."

If the waiver is granted, the Department will proceed to execute the items noted above.

Signed copy on file

Director

The request for waiver of Commission approval of the above-mentioned item is approved.

Signed copy on file

November 21, 2019

Todd Wyett, Chairman

Date

REQUEST FOR MICHIGAN STATE TRANSPORTATION COMMISSION APPROVAL

CONTRACTS

November 21, 2019

The following contracts are being submitted for approval. The appropriate documents will be approved by the Attorney General and comply with all legal and fiscal requirements prior to award.

CONTRACTS

1. HIGHWAYS - Participation for Local Agency Construction Contract

Contract (2019-5508) between MDOT and the City of Flushing will provide for participation in the following improvements:

Radar speed limit sign installation work at up to two locations along Main Street between Boman Street and Frances Avenue, including two portable solar powered radar speed signs.

Estimated Funds:

Federal Highway Administration Funds	\$14,739.39
City of Flushing Funds	<u>\$ 1,637.71</u>
Total Funds	<u>\$16,377.10</u>

HSIP 25000 – 202897
Local Force Account

2. HIGHWAYS - Participation for Local Agency Construction Contract

Contract (2019-5516) between MDOT and the Luce County Road Commission will provide for funding participation in the construction of the following improvements utilizing State Transportation Economic Development Category D Funds, which are allocated for Local Agency projects (State Restricted TED Funds), and Federal Highway Administration Surface Transportation Program – Rural Funds designated for Local Agency projects (FHWA STP – Rural Funds):

Hot mix asphalt surfacing work along County Road 415 S from approximately 40 feet north of County Road 135 northerly to approximately 55 feet south of Highway M-28, including shoulder, approach, pavement marking, and traffic control work.

Estimated Funds:

State Restricted TED Funds	\$ 90,600
FHWA STP – Rural Funds	\$304,700
Luce County Road Commission Funds	<u>\$ 16,400</u>
Total Funds	<u>\$411,700</u>

STL 48555 – 130393

Letting of 12/6/2019

3. HIGHWAYS - Participation for Local Agency Construction Contract

Contract (2019-5523) between MDOT and the Alger County Road Commission will provide for participation in the following improvements:

Dredging work at the Munising and Grand Island launch areas, including sand removal to allow for tug and barge operations, dewatering, and soil stabilization work.

Estimated Funds:

Federal Highway Administration Funds	\$10,652
Alger County Road Commission Funds	<u>\$ 2,068</u>
Total Funds	<u>\$12,720</u>

FBP 02000 – 208995

Local Force Account

4. HIGHWAYS - Participation for Local Agency Construction Contract

Contract (2019-5525) between MDOT and the Village of Mesick will provide for funding participation in the construction of the following improvements utilizing State Transportation Economic Development (TED) Category B Funds:

Hot mix asphalt chip seal, crack fill, and resurfacing work along various federal-aid routes within the Village of Mesick.

Estimated Funds:

State Restricted TED Funds	\$ 88,757
Village of Mesick Funds	<u>\$ 88,757</u>
Total Funds	<u>\$177,514</u>

EDB 83000 – 208824; Wexford County

Local Letting

5. HIGHWAYS - Participation for Local Agency Force Account Work
Contract (2019-5551) between MDOT and the Charter Township of Orion will provide for funding participation in the following improvements:

Traffic safety and mobility evaluation work at 30 intersections within the vicinity of the Highway I-75 and Joslyn Road interchange and the Highway I-75 and Baldwin Road interchange.

Estimated Funds:

Charter Township of Orion Funds	\$169,335
State Restricted Trunkline Funds	<u>\$ 30,665</u>
	<u>\$200,000</u>

M 63172-209502; Oakland County
Local Force Account

6. PASSENGER TRANSPORTATION - Michigan Mobility Challenge
Project Authorization (9) Revision (2) under the Master Agreement (2017-0008) between MDOT and the Ann Arbor Area Transportation Authority will extend the authorization term by approximately three months to provide sufficient time for the Authority to complete the project. The Authority requires additional time to provide additional on-site training, to address application design integration challenges, and to meet new App Store testing requirements. The original authorization provides 100 percent state funds for the demonstration of technology to assist seniors and people with visual impairments and other disabilities in locating bus stops and final destinations. The revised authorization term will be January 7, 2019, through March 31, 2020. The authorization amount remains unchanged at \$456,967. The term of the master agreement is from October 1, 2016, until the last obligation between the parties has been fulfilled. The master agreement includes authorizations for program years FY 2017 through FY 2021. Source of Funds: FY 2018 State Transportation Funds - \$456,967.

- 7.-10. PASSENGER TRANSPORTATION - Transportation to Work
The following project authorizations issued under master agreements between MDOT and the following agencies will provide state funds to transport welfare recipients and eligible low-income individuals to and from jobs and activities related to their employment. The total amount of the authorizations will be \$908,710. The authorizations will be in effect from October 1, 2019, through October 15, 2020. The authorizations will be retroactive due to the effective date matching the beginning of the fiscal year. The terms of the master agreements are from October 1, 2016, until the last obligations between the parties have been fulfilled. The master agreements include authorizations for program years FY 2017 through FY 2021. Source of Funds: FY 2020 State Restricted Comprehensive Transportation Funds - \$908,710

	<u>Agreement/ Authorization</u>	<u>Agency</u>	<u>Total</u>
7.	2017-0017/26	Bay Metropolitan Transportation Authority	\$145,000
8.	2017-0076/12	Jackson Area Transportation Authority	\$300,000
9.	2017-0082/15	Livingston County Board of Commissioners	\$ 77,670
10.	2017-0133/11	Twin Cities Area Transportation Authority	\$386,040

11. PASSENGER TRANSPORTATION - Michigan Mobility Challenge
Project Authorization (3) Revision (2) under Master Agreement (2017-0067) between MDOT and the Huron Transit Corporation will extend the authorization term by six months to provide sufficient time for the agency to complete the project. The agency is waiting for the delivery of validator hardware in order to finish the few remaining open items. The original authorization provides 100 percent state funding for a demonstration of advanced mobile and online technologies to enhance customer mobility access and improve regional transit coordination among Huron County, Sanilac County, and portions of Tuscola County. The revised authorization term will be November 20, 2018, through May 19, 2020. The authorization amount remains unchanged at \$435,640. The term of the master agreement is from October 1, 2016, until the last obligation between the parties has been fulfilled. The master agreement includes authorizations for program years FY 2017 through FY 2021. Source of Funds: FY 2018 and FY 2019 State Transportation Funds - \$435,640.
12. RAIL – Ties and Surfacing from Kalamazoo to Battle Creek
Project Authorization (22) Revision (3) under Master Agreement (2012-0200) between MDOT and the National Railroad Passenger Corporation (Amtrak) will extend the authorization term by one year to provide sufficient time for Amtrak to clean up track and to resolve punch list items. The original authorization provides for the installation of 12,500 ties and surfacing over 16 miles of track from Kalamazoo to Battle Creek. MDOT compensates Amtrak for eligible costs under the approved scope of work and estimate. The revised authorization term will be August 31, 2018, through December 31, 2020. The authorization amount remains unchanged at \$5,429,250. The term of the master agreement is from December 7, 2012, through September 30, 2032. Source of Funds: State Restricted Comprehensive Transportation Funds - \$5,429,250.
13. *RAIL – Increase Loan Amount
Amendatory Contract (2018-0029/A1) between MDOT and Kiros Energy will increase the loan amount by \$127,536.75 to reflect the actual costs incurred for the project. The project cost will be increased by \$255,073.50. The original contract provides financial assistance in the form of a loan to Kiros Energy for the construction of a transload track in Bay City. The contract term remains unchanged, from September 4, 2018, until the last obligation between the parties has been fulfilled, until the contract is terminated, or until the loan has been fully repaid. The revised actual total project cost is \$915,852.77. MDOT will loan Kiros Energy 50 percent of the project cost, up to a maximum amount of \$457,926.39. Provisions included in the contract permit the loan to be forgiven incrementally over a five-year period based on carloads shipped from/at the facility via rail. Kiros Energy commits to shipping and/or receiving a minimum of 200 carloads of freight to/from the facility via rail annually. Source of Funds: FY 2018 State Restricted Comprehensive Transportation Funds - \$457,926.39; Kiros Energy Funds - \$457,926.39.
14. RAIL – Time Extension
Amendatory Contract (2018-0183/A4) between MDOT and Alfred Benesch & Company will extend the contract term by nine months to provide sufficient time for the consultant to complete the design services. The additional time is needed because of delays in Amtrak's review of the plans. The original contract provides for design services to be performed for the replacement of the Mechanic Street and Jackson Street railroad structures along the state-owned accelerated railroad corridor in the City of Jackson, Jackson County. The revised contract term will be February 6, 2018, through September 15, 2020. The contract amount remains unchanged at \$1,515,917.09. Source of Funds: FY 2018 and FY 2019 State Restricted Comprehensive Transportation Funds - \$1,515,917.09.

15. *RAIL – Increase Loan Amount
Amendatory Contract (2018-0265/A2) between MDOT and Coopersville and Marne Railway Company will increase the loan amount by \$60,000 to provide for the replacement of additional ties. The original contract provides financial assistance in the form of a loan to Coopersville and Marne Railway Company for right-of-way improvements on its rail line. The contract term remains unchanged, from June 4, 2018, until the last obligation between the parties has been fulfilled, until the contract is terminated, or until the appropriate funds have been disbursed. The revised project cost will be \$340,000. MDOT will loan Coopersville and Marne Railway Company up to ninety percent of the project cost or \$300,000, whichever is less. Source of Funds: FY 2018 Michigan Rail Loan Assistance Program Funds - \$300,000; Coopersville and Marne Railway Company Funds - \$40,000.
16. *RAIL – Reduce Grant Amount
Amendatory Contract (2018-0649/A1) between MDOT and Michigan Asphalt Terminals Company, LLC, will reduce the grant amount by \$13,280.42 to reflect actual costs incurred for the project. The project amount will be reduced by \$26,560.84. The original contract provides financial assistance in the form of a grant to Michigan Asphalt Terminals Company, LLC, for the construction of rail loading equipment at an asphalt terminal in Manistee. The contract term remains unchanged, from September 7, 2018, until the last obligation between the parties has been fulfilled, until the contract is terminated, or until the appropriate grant funds have been fully dispensed. The revised project cost will be \$503,439.15. MDOT will reimburse Michigan Asphalt Terminals Company, LLC, 50 percent of the costs, up to a maximum amount of \$251,719.58. Provisions included in the contract calculate actual reimbursement by annual carloads of freight shipped from the facility annually over a five-year reporting period. Michigan Asphalt Terminals Company, LLC, commits to a minimum of 250 outbound carloads of freight from the facility via rail annually. Source of Funds: FY 2018 State Restricted Comprehensive Transportation Funds - \$251,719.58; Michigan Asphalt Terminals Company, LLC, Funds - \$251,719.58.
17. *RAIL – Reduce Loan Amount
Amendatory Contract (2018-0651/A1) between MDOT and Hydrolake, Inc., will reduce the loan amount by \$19,258.88 to reflect eligible costs incurred for the project. The project cost will be reduced by \$38,517.76. The original contract provides financial assistance in the form of a loan to Hydrolake, Inc., for the construction of a spur track at the Hydrolake, Inc., facility in the city of Grayling. The contract term remains unchanged, from September 14, 2018, until the last obligation between the parties has been fulfilled, until the contract is terminated, or until the loan has been fully repaid. The revised total project cost is \$187,385.96. MDOT will loan Hydrolake, Inc., 50 percent of the project cost, up to a maximum amount of \$93,962.98. Provisions included in the contract permit the loan to be forgiven incrementally over a five-year period based on carloads shipped to/from the facility via rail. Hydrolake, Inc., commits to shipping and/or receiving a minimum of 50 carloads of freight from/at the facility via rail annually. Source of Funds: FY 2018 State Restricted Comprehensive Transportation Funds- \$93,692.98; Hydrolake, Inc., Funds - \$93,692.98.

18. RAIL – Increase Amount

Amendatory Contract (2019-0005/A2) between MDOT and Bergmann Associates will provide for the performance of additional design services for changes/reviews after final plan submittal and will increase the contract amount by \$5,716.88. The original contract provides for design services to be performed for the repair of the Michigan Line railroad structure over M-39 (Southfield Freeway) on the state-owned accelerated railroad corridor in the City of Dearborn, Wayne County, Michigan. The contract term remains unchanged, December 21, 2018, through December 31, 2019. The revised contract amount will be \$222,768.83. Source of Funds: FY 2019 and FY 2020 State Restricted Comprehensive Transportation Funds - \$222,768.83.

Upon receipt of your approval, the contracts and agreements will be processed for award. Subject to the exercise of the discretion in the processing, I approve the contracts described in this agenda and authorize the award by the responsible management staff of MDOT to the extent authorized by and in accordance with the December 14, 1983, resolution of the State Transportation Commission and the Director's delegation memorandum of February 11, 2019.

Respectfully submitted,

Signed copy on file

Paul C. Ajegba
Director

REQUEST FOR MICHIGAN STATE TRANSPORTATION

COMMISSION APPROVAL

BID LETTING PRE-APPROVAL

November 21, 2019

The following contracts are being submitted for approval.

TRUNKLINE CONTRACTS

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|----|--|--|
| 1. | Letting of December 6, 2019
Letting Call: 1912 001
Project: HSIP 33817-124074
Local Agreement: 19-5495
Start Date: April 6, 2020
Completion Date: June 26, 2020 | Prequalification Level:
\$1,132,000.00 |
|----|--|--|

0.48 mi of water main replacement on Homer Street from Michigan Avenue to M-43 with a lane reduction safety improvement including concrete pavement removal and construction of concrete curb and gutter, driveways, sidewalk, sidewalk ramps, sewer, and drainage between Vine Street and the US-127 northbound exit ramp in the city of Lansing, Ingham County.

5.00 % DBE participation required

- | | | |
|----|---|--|
| 2. | Letting of December 6, 2019
Letting Call: 1912 002
Project: M 39014-204645
Local Agreement:
Start Date: April 27, 2020
Completion Date: May 15, 2020 | Prequalification Level:
\$825,000.00 |
|----|---|--|

Bridge rehabilitation including hot mix asphalt overlay, metal mesh panel placement, deck fascia scaling and barrier patching on US-131 over Amtrak Railroad and KL Avenue, Kalamazoo County.

0.00 % DBE participation required

- | | | |
|----|--|--|
| 3. | Letting of December 6, 2019
Letting Call: 1912 012
Project: NH 82062-128835, ETC
Local Agreement: 19-5464
Start Date: March 1, 2020
Completion Date: September 19, 2022 | Prequalification Level:
\$9,646,000.00 |
|----|--|--|

Bridge rehabilitation of 6 structures including deck replacement, beam and substructure repairs, joint and railing replacement, slope protection repairs and approach work on US-12 over M-39, M-39 over the Rouge River and Michigan Line Railroad over M-39 in the city of Dearborn, Wayne County. This project includes a 2-year concrete surface coating warranty.

4.00 % DBE participation required

4. Letting of December 6, 2019
Letting Call: 1912 013
Project: NH 41131-202669, ETC
Local Agreement: 19-5478
Start Date: March 1, 2020
Completion Date: June 15, 2021
- Prequalification Level:
\$8,535,000.00

1.17 mi of hot mix asphalt reconstruction and shared use path, concrete pavement, driveway, curb and gutter, aggregate base, drainage, signals, pavement markings, bridge reconstruction with 27 inch concrete box beams and approaches on 100th Street from west of South Kent Drive west to Division Avenue over US-131, Kent County. This project contains a 5-year materials and workmanship pavement warranty and a 2-year concrete surface coating warranty.

5.00 % DBE participation required

5. Letting of December 6, 2019
Letting Call: 1912 014
Project: NH 28011-124027, ETC
Local Agreement:
Start Date: May 26, 2020
Completion Date: October 31, 2020
- Prequalification Level:
\$4,323,000.00

2.48 mi of hot mix asphalt widening, concrete curb and gutter, culverts, drainage, water main, signing and pavement markings on US-31 from east of Sullivan Road to M-37, Grand Traverse County. This project includes one 3 year and one 5-year materials and workmanship pavement warranty.

4.00 % DBE participation required

6. Letting of December 6, 2019
Letting Call: 1912 015
Project: ST 59032-125967, ETC
Local Agreement:
Start Date: March 2, 2020
- Prequalification Level:
\$4,051,000.00

Completion Date: August 7, 2020

3.82 mi of hot mix asphalt cold milling and resurfacing, replace the northbound right turn at Peck Road with an offset right turn lane, extend the center left turn lane from Peck Road to the north and construct center left turn lanes at Colby Road on M-91 from Peck Road to Colby Road, Montcalm County. This project includes a 5-year materials and workmanship pavement warranty.

3.00 % DBE participation required

7. Letting of December 6, 2019
Letting Call: 1912 016
Project: NH 47013-130028
Local Agreement:
Start Date: 10 days after award
Completion Date: September 19, 2022
- Prequalification Level:
\$3,720,000.00

0.51 mi of new construction of concrete noise barrier wall, sewer, drainage, drilled shaft, temporary casting-left-in-place and slope restoration along US-23 from north of 8 Mile Road to south of M-36, Livingston County. This project includes a 2-year concrete surface coating warranty.

3.00 % DBE participation required

8. Letting of December 6, 2019
Letting Call: 1912 017
Project: M 13093-127025, ETC
Local Agreement:
Start Date: March 2, 2020
Completion Date: August 14, 2020
- Prequalification Level:
\$2,043,000.00

4.04 mi of road rehabilitation including hot mix asphalt cold milling and resurfacing, concrete curb and gutter, sidewalk, sidewalk ramps, culverts and pavement markings on M-199 from 27 Mile Road to I-94, from 25 1/2 Mile Road to I-94BL (Superior Street) and 28 Mile Road at I-94 in the northwest quadrant on C-Drive N in the city of Albion, Calhoun County. This project includes a 3-year materials and workmanship pavement warranty.

3.00 % DBE participation required

9. Letting of December 6, 2019
Letting Call: 1912 018
Project: MX 34044-204937
Local Agreement: 19-5415
Start Date: August 1, 2020
Completion Date: June 15, 2021
- Prequalification Level:
\$1,763,000.00

0.48 mi of construction of a bypass lane including weigh-in-motion scale, lane designation signal, concrete curb and gutter, sidewalk, culverts, drainage and pavement markings on I-96 westbound east of M-66, Ionia County. This project includes a 5-year materials and workmanship pavement warranty.

0.00 % DBE participation required

10. Letting of December 6, 2019
Letting Call: 1912 019
Project: NHG 25031-201898
Local Agreement:
Start Date: August 17, 2020
Completion Date: October 30, 2020
- Prequalification Level:
\$1,285,000.00

12.56 mi of freeway signing upgrades along US-23 from the south Genesee county line to I-75 in the city of Fenton, Genesee County.

0.00 % DBE participation required

11. Letting of December 6, 2019
Letting Call: 1912 020
Project: IM 38061-127537
Local Agreement:
Start Date: March 16, 2020
Completion Date: May 28, 2021
- Prequalification Level:
\$8,417,000.00

0.50 mi of hot mix asphalt cold milling, resurfacing and reconstruction, earthwork, aggregate base, drainage, concrete curb, gutter, sidewalk and barrier, guardrail, bridge reconstruction with 36 inch by 49 inch prestressed concrete bulb-tee beams, mechanically stabilized earth wall, cofferdams, piles and pavement markings on M-60 and associated ramps over I-94, Jackson County. This project includes a 3- and 5-year materials and workmanship pavement warranty and a 2-year concrete surface coating warranty.

5.00 % DBE participation required

12. Letting of December 6, 2019
Letting Call: 1912 021
Project: NH 07023-126827
Local Agreement:
Start Date: 10 days after award
Completion Date: October 2, 2020

Prequalification Level:
\$6,022,000.00

5.19 mi of hot mix asphalt reconstruction including drainage, guardrail, signing and pavement markings and bridge rehabilitation including full-depth deck patching, hot mix asphalt removal and overlay with membrane, partial painting, steel repair, barrier replacement, substructure patching and scour counter measures on US-41/M-28 from the east Baraga county line westerly to west of Canal Town Creek over Lake Ruth, Baraga County. This project includes a 5-year materials and workmanship pavement warranty.

3.00 % DBE participation required

13. Letting of December 6, 2019
Letting Call: 1912 022
Project: NH 16091-129996
Local Agreement:
Start Date: March 2, 2020
Completion Date: October 16, 2020

Prequalification Level:
\$4,209,000.00

2.34 mi of asphalt stabilized crack relief layer and hot mix asphalt resurfacing and reconstruction, concrete joint repairs, guardrail, tree clearing and pavement markings on I-75 from Topinabee Mail Route Road southerly, Cheboygan County. This project includes a 5-year materials and workmanship pavement warranty.

3.00 % DBE participation required

14. Letting of December 6, 2019
Letting Call: 1912 023
Project: CM 32031-126948, ETC
Local Agreement:
Start Date: March 2, 2020
Completion Date: September 19, 2021

Prequalification Level:
\$667,000.00

0.19 mi of hot mix asphalt milling and resurfacing, concrete curb and gutter, sewer, drainage, guardrail, bridge waterproofing membrane and pavement markings on M-53 from the Pigeon River to north of Atwater Road, Huron County.

3.00 % DBE participation required

15. Letting of December 6, 2019
Letting Call: 1912 046
Project: M 79042-132662, ETC
Local Agreement:
Start Date: April 27, 2020
Completion Date: July 10, 2020
- Prequalification Level:
\$4,245,000.00

17.11 mi of hot mix asphalt cold milling and resurfacing, joint repairs and pavement markings on M-15 from M-57 to Proctor Road, on M-46 from M-15 to Vassar Road and on M-46 at the Hurds Corner carpool lot in the village of Millington, cities of Otisville and Vassar, Genesee and Tuscola Counties. This project includes a 3-year materials and workmanship pavement warranty.

3.00 % DBE participation required

16. Letting of December 6, 2019
Letting Call: 1912 047
Project: ST 01023-203966
Local Agreement:
Start Date: May 4, 2020
Completion Date: July 24, 2020
- Prequalification Level:
\$2,198,000.00

28.55 mi of single course chip seal with fog seal and pavement markings on M-72 from O'Donnell Road easterly to west of School Drive and on M-33 from the south Presque Isle county line northly to south of Huron Street, Alcona and Presque Isle Counties. This project includes a 2-year pavement performance warranty.

0.00 % DBE participation required

17. Letting of December 6, 2019
Letting Call: 1912 048
Project: NH 05012-204281
Local Agreement:
Start Date: May 11, 2020
Completion Date: June 26, 2020
- Prequalification Level:
\$1,755,000.00

5.76 mi of preventive maintenance including hot mix asphalt repairs, cold milling and resurfacing and pavement markings on US-31 from Old Dixie Highway northerly to south of Richardson Road, Antrim County. This project includes a 3-year materials and workmanship pavement warranty.

2.00 % DBE participation required

18. Letting of December 6, 2019
Letting Call: 1912 049
Project: NH 03112-200584
Local Agreement:
Start Date: August 1, 2020
Completion Date: June 15, 2021
- Prequalification Level:
\$1,477,000.00

3.44 mi of paver placed surface seal, construction of a new maintenance crossover and pavement markings on US-131 from north of 112th Avenue north to 120th Avenue, Allegan County. This project includes a 3-year pavement performance warranty.

3.00 % DBE participation required

19. Letting of December 6, 2019
Letting Call: 1912 050
Project: ST 82081-130124
Local Agreement:
Start Date: April 15, 2020
Completion Date: August 15, 2020

Prequalification Level:
\$1,304,000.00

Bridge rehabilitation including epoxy overlay, pier and railing replacement, sidewalk, deck patching, structural steel repairs, heat straightening structural steel, cleaning and coating structural steel, abutment patching repairs, water main relocation and approach reconstruction on Miller Road over M-153 (Ford Road) in the city of Dearborn, Wayne County. This project includes a 2-year bridge coating warranty.

3.00 % DBE participation required

20. Letting of December 6, 2019
Letting Call: 1912 051
Project: IMG 23061-131034
Local Agreement:
Start Date: April 1, 2020
Completion Date: October 1, 2020

Prequalification Level:
\$1,238,000.00

12.16 mi of freeway signing upgrades on I-69 from Island Highway to I-96 in the cities of Charlotte and Pottersville, Eaton County.

0.00 % DBE participation required

21. Letting of December 6, 2019
Letting Call: 1912 052
Project: IMG 77111-131033, ETC
Local Agreement:
Start Date: March 2, 2020
Completion Date: July 31, 2020

Prequalification Level:
\$862,000.00

23.00 mi of freeway and non-freeway signing upgrades on I-94 from County Line Road to Griswold Road and I-69BL from 27th Street to 6th Street in the city of Port Huron, St. Clair County.

0.00 % DBE participation required

22. Letting of December 6, 2019
Letting Call: 1912 053
Project: M 46061-208921
Local Agreement:
Start Date: 10 days after award
Completion Date: October 16, 2020

Prequalification Level:
\$619,000.00

0.02 mi of hot mix asphalt including replacement of the Hawley County Drain culvert, concrete curb and gutter, drainage, steel sheet piling, guardrail, slope restoration and pavement markings on US-223 at Springville Highway, Lenawee County.

0.00 % DBE participation required

23. Letting of December 6, 2019
Letting Call: 1912 054
Project: NH 41131-201312
Local Agreement:
Start Date: August 3, 2020
Completion Date: August 28, 2020
- Prequalification Level:
\$605,000.00

Median bridge barrier replacement with ITS work on US-131 southbound over the Grand River and Fulton Street in the city of Grand Rapids, Kent County.

0.00 % DBE participation required

24. Letting of December 6, 2019
Letting Call: 1912 057
Project: NH 67022-204027
Local Agreement:
Start Date: July 6, 2020
Completion Date: September 1, 2020
- Prequalification Level:
\$1,677,000.00

4.71 mi of hot mix asphalt cold milling and resurfacing, single course chip sealing, fiber reinforced bituminous membrane and pavement markings on US-10 from US-131 east to 200th Avenue and from 110th Avenue to west of Lauman Road, Osceola County. This project includes a 3-year materials and workmanship pavement warranty.

2.00 % DBE participation required

25. Letting of December 6, 2019
Letting Call: 1912 058
Project: NH 41031-200171
Local Agreement:
Start Date: July 6, 2020
Completion Date: August 1, 2020
- Prequalification Level:
\$935,000.00

1.77 mi of hot mix asphalt cold milling and resurfacing and pavement markings on M-37 from north of 44th Street north to north of 32nd Street in the city of Kentwood, Kent County. This project includes a 3-year materials and workmanship pavement warranty.

3.00 % DBE participation required

26. Letting of January 15, 2020
Letting Call: 2001 601
Project: IM 82293-111073, ETC
Local Agreement:
Start Date: April 1, 2020
Completion Date: September 19, 2022
- Prequalification Level:
\$51,032,000.00

5.80 mi of road rehabilitation including hot mix asphalt milling and resurfacing, reconstructing and widening shoulders, guardrail replacement, signal upgrades, signing, pavement markings, crown and superelevation correction, bridge rehabilitation on 20 structures including deck patching, epoxy overlay, deep overlay, railing patching and curb reconstruction, deck joint and pier replacement, resealing substructure patching, slope protection repairs, rocker alignment, steel repairs, partial painting, concrete surface coating and approaches on I-275 from just south of M-153 northerly to 6 Mile Road and on Schoolcraft Road over M-14 in the city of Livonia, Wayne County. This project includes 3 materials and workmanship pavement warranties and a concrete surface coating warranty. This is an alternate bid project for Alternate Technical Concepts and an On-the-Job-Training Voluntary Incentive Program project - see unique special provisions for additional information.

5.00 % DBE participation required

LOCAL AGENCY CONTRACTS

- | | | |
|-----|---|--|
| 27. | Letting of December 6, 2019
Letting Call: 1912 003
Project: TAL 03072-202385
Local Agreement: 19-5477
Start Date: June 15, 2020
Completion Date: August 15, 2020 | Prequalification Level:
\$693,000.00 |
|-----|---|--|

4.13 mi of hot mix asphalt shared use path, concrete curb, gutter, sidewalk and ramps, signing and pavement markings on various routes in the city of Allegan, Allegan County. This is a Local Agency project.

5.00 % DBE participation required

- | | | |
|-----|---|--|
| 28. | Letting of December 6, 2019
Letting Call: 1912 004
Project: EDC 82000-204587
Local Agreement: 19-5528
Start Date: April 20, 2020
Completion Date: September 30, 2020 | Prequalification Level:
\$4,099,000.00 |
|-----|---|--|

1.74 mi of hot mix asphalt cold milling and resurfacing, concrete pavement repairs, driveways, curb, gutter, sidewalk and ramps, aggregate base, drainage and pavement markings on Cherry Hill Road from west of Canton Center Road to east of Haggerty Road, Wayne County. This is a Local Agency project.

4.00 % DBE participation required

- | | | |
|-----|---|--|
| 29. | Letting of December 6, 2019
Letting Call: 1912 005
Project: STL 61000-130496
Local Agreement: 19-5467
Start Date: 10 days after award
Completion Date: September 3, 2020 | Prequalification Level:
\$3,434,000.00 |
|-----|---|--|

7.26 mi of hot mix asphalt base crushing, shaping, and resurfacing, aggregate base, guardrail and pavement markings on Ellis Road from Maple Island Road east to Ravenna road, Muskegon County. This is a Local Agency project.

5.00 % DBE participation required

30. Letting of December 6, 2019
Letting Call: 1912 006
Project: MCS 80000-133076
Local Agreement: 19-5501
Start Date: 10 days after award
Completion Date: September 25, 2020
- Prequalification Level:
\$779,000.00

Hot mix asphalt overlay, replace expansion joint and bridge rail, guardrail and approach work on various routes at 5 structures, Van Buren County. This is a Local Agency project.

0.00 % DBE participation required

31. Letting of December 6, 2019
Letting Call: 1912 007
Project: STUL 34000-133006
Local Agreement: 19-5487
Start Date: 10 days after award
Completion Date: June 30, 2020
- Prequalification Level:
\$648,000.00

0.40 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, sidewalk, sidewalk ramps, sewer, drainage, filler walls and pavement markings on Grand River Avenue from Cutler Road to Rowe Avenue in the city of Portland, Ionia County. This is a Local Agency project.

5.00 % DBE participation required

32. Letting of December 6, 2019
Letting Call: 1912 026
Project: STU 82000-203547
Local Agreement: 19-5511
Start Date: April 15, 2020
Completion Date: October 28, 2020
- Prequalification Level:
\$3,177,000.00

6.20 mi of road reconstruction including hot mix asphalt cold milling and resurfacing, concrete pavement repairs, joint and crack repairs, signing, sidewalk ramps and pavement markings on Mack Avenue from Wayburn Street to Cadieux Road and from Moross Road to Eight Mile Road and on Moross Road from Kelly Road to Mack Avenue in the city of Detroit, Wayne County. This is a Local Agency project.

5.00 % DBE participation required

33. Letting of December 6, 2019
Letting Call: 1912 027
Project: EMRP 82000-203375
Local Agreement: 19-5505
Start Date: 10 days after award
Completion Date: October 1, 2020
- Prequalification Level:
\$3,165,000.00

Superstructure steel repairs on Grosse Ile Parkway over Trenton Channel, Wayne County. This is a Local Agency project.

3.00 % DBE participation required

34. Letting of December 6, 2019
Letting Call: 1912 028
Project: STL 73000-207999
Local Agreement: 19-5457
Start Date: May 28, 2020
Completion Date: August 30, 2020
- Prequalification Level:
\$1,306,000.00
- 1.60 mi of hot mix asphalt base crushing, shaping and resurfacing, drainage and pavement markings on Seymour Road from Bell Road to Dorwood Rd, Saginaw County. This is a Local Agency project.
- 3.00 % DBE participation required
35. Letting of December 6, 2019
Letting Call: 1912 029
Project: FLAP 73000-202625
Local Agreement: 19-5455
Start Date: May 18, 2020
Completion Date: September 11, 2020
- Prequalification Level:
\$649,000.00
- 0.73 mi of hot mix asphalt reconstruction, aggregate base, earthwork and drainage on Ambrose Road and Bishop Road from Curtis Road to Shiawassee Refuge Wildlife Drive, Saginaw County. This is a Local Agency project.
- 4.00 % DBE participation required
36. Letting of December 6, 2019
Letting Call: 1912 030
Project: CMG 50031-208532
Local Agreement: 19-5459
Start Date: June 1, 2020
Completion Date: August 1, 2021
- Prequalification Level:
\$2,308,000.00
- Installation of Connected Vehicle roadside units includes Wi-Fi detection with travel time analytics along various routes, Macomb County. This is a Local Agency project.
- 0.00 % DBE participation required
37. Letting of December 6, 2019
Letting Call: 1912 031
Project: MCS 70000-133046
Local Agreement: 19-5504
Start Date: June 8, 2020
Completion Date: August 14, 2020
- Prequalification Level:
\$1,688,000.00
- Hydrodemolition, deck overlay, joint replacement, beam end repairs and approach work on 68th Avenue over the Grand River, Ottawa County. This is a Local Agency project.
- 0.00 % DBE participation required

38. Letting of December 6, 2019
Letting Call: 1912 032
Project: STU 82000-206224
Local Agreement: 19-5460
Start Date: 10 days after award
Completion Date: August 31, 2020
- Prequalification Level:
\$2,001,000.00
- 0.36 mi of integral concrete pavement, aggregate base, underdrain, sidewalk and ramps, signing and pavement markings on Holbrook Avenue from Lumpkin Street to Joseph Campau Avenue, city of Hamtramck, Wayne County. This is a Local Agency project.
- 5.00 % DBE participation required
39. Letting of December 6, 2019
Letting Call: 1912 033
Project: STL 47000-205847
Local Agreement: 19-5433
Start Date: 10 days after award
Completion Date: November 15, 2020
- Prequalification Level:
\$2,284,000.00
- 0.60 mi of hot mix asphalt reconstruction, concrete curb, gutter and sidewalk, sidewalk ramps, earth excavation, storm and sanitary sewer, drainage and pavement markings on North Grand Avenue from South Street north to Sharpe Street in the village of Fowlerville, Livingston County. This is a Local Agency project.
- 4.00 % DBE participation required
40. Letting of December 6, 2019
Letting Call: 1912 034
Project: FLAP 43000-202597
Local Agreement: 19-5456
Start Date: April 1, 2020
Completion Date: September 30, 2020
- Prequalification Level:
\$1,542,000.00
- 3.29 mi of hot mix asphalt reconstruction, earthwork, aggregate base and pavement markings on various routes, Lake County. This is a Local Agency project.
- 5.00 % DBE participation required
41. Letting of December 6, 2019
Letting Call: 1912 035
Project: NH 82000-203582
Local Agreement: 19-5548
Start Date: April 15, 2020
Completion Date: June 30, 2020
- Prequalification Level:
\$1,498,000.00
- 0.94 mi of hot mix asphalt cold milling and resurfacing, concrete pavement repair, sidewalk ramps and pavement markings on Allen Road from West Road to King Road in the city of Woodhaven, Wayne County. This is a Local Agency project.
- 3.00 % DBE participation required

42. Letting of December 6, 2019
Letting Call: 1912 036
Project: MCS 04000-202424
Local Agreement: 19-5524
Start Date: 10 days after award
Completion Date: August 22, 2020
- Prequalification Level:
\$918,000.00

Bridge replacement with 36-inch prestressed concrete I beams, steel piles, cofferdams, concrete curb and gutter, drainage, guardrail, approach work and pavement markings on Ossineke Road over Devils River, Alpena County. This is a Local Agency project.

0.00 % DBE participation required

43. Letting of December 6, 2019
Letting Call: 1912 037
Project: STL 61000-205903
Local Agreement: 19-5466
Start Date: 10 days after award
Completion Date: September 3, 2020
- Prequalification Level:
\$872,000.00

2.30 mi of hot mix asphalt road rehabilitation, base crushing, shaping and resurfacing, concrete curb and gutter, driveway, culverts, aggregate shoulders and pavement markings on River Road from Scenic Drive east to Peterson Road, Muskegon County. This is a Local Agency project.

3.00 % DBE participation required

44. Letting of December 6, 2019
Letting Call: 1912 038
Project: STUL 38000-130209-2
Local Agreement: 19-5233
Start Date: 10 days after award
Completion Date: November 15, 2020
- Prequalification Level:
\$747,000.00

0.70 mi of hot mix asphalt cold milling and resurfacing, concrete curb, gutter and sidewalk and pavement markings on Laurence Avenue from the railroad just north of Michigan Avenue to Argyle Street, Jackson County. This is a Local Agency project.

3.00 % DBE participation required

45. Letting of December 6, 2019
Letting Call: 1912 065
Project: STU 41000-130609
Local Agreement: 19-5496
Start Date: 10 days after award
Completion Date: September 1, 2020
- Prequalification Level:
\$1,312,000.00

0.50 mi of hot mix asphalt cold milling and resurfacing, concrete curb, gutter and sidewalk, drainage, replace water main, storm and sanitary sewer and pavement markings on Madison Avenue from Franklin Street to Wealthy Street in the city of Grand Rapids, Kent County. This is a Local Agency project.

3.00 % DBE participation required

46. Letting of December 6, 2019
Letting Call: 1912 066
Project: HSIP 13000-130192, ETC
Local Agreement: 19-5542
Start Date: 10 days after award
Completion Date: August 21, 2020

Prequalification Level:
\$1,141,000.00

2.89 mi of hot mix asphalt base crushing, shaping and resurfacing, clearing, earthwork, guardrail and pavement markings on N Drive North from McAllister Road eastward to 12 Mile Road, Calhoun County. This is a Local Agency project.

3.00 % DBE participation required

47. Letting of December 6, 2019
Letting Call: 1912 067
Project: STL 14000-206661
Local Agreement: 19-5515
Start Date: 10 days after award
Completion Date: July 24, 2020

Prequalification Level:
\$780,000.00

0.40 mi of hot mix asphalt crushing, shaping and resurfacing, aggregate base, concrete curb, gutter, sidewalk and ramps, culverts, sewer, drainage and pavement markings on N O Keefe Street from School Street to the north village limits of Cassopolis, Cass County. This is a Local Agency project.

4.00 % DBE participation required

48. Letting of December 6, 2019
Letting Call: 1912 070
Project: STU 82000-205484-2
Local Agreement: 19-5294
Start Date: 10 days after award
Completion Date: 90 Calendar Days

Prequalification Level:
\$609,000.00

0.52 mi of hot mix asphalt cold milling and resurfacing, concrete pavement, curb, gutter, sidewalk and ramps, storm sewer and pavement markings on Military Road from Cherry Hill Street to Outer Drive in the city of Dearborn, Wayne County. This is a Local Agency project.

8.00 % DBE participation required

On receipt of your approval, projects will, at the Director's discretion, be processed and awarded to the low bidder. I approve the project described in this agenda and authorize the award by the responsible management staff of MDOT to the extent authorized by and in accordance with the December 14, 1983, resolution of the State Transportation Commission and the Director's delegation memorandum of February 11, 2019.

Respectfully submitted,

Signed copy on file

Paul C. Ajegba, P.E.
Director

DATE: November 18, 2019

TO: State Transportation Commission

FROM: Jack Cotter, CPA, CGMA
Commission Auditor
Office of Commission Audits

SUBJECT: Justification Memorandums

Attached for your information are the department's justification memorandums for Exhibit A-2 items where the low bid exceeded the engineer's estimate by more than ten percent.

Signed Original on File

Jack Cotter, CPA, CGMA
Commission Auditor

Attachments

cc: T. Hagon

DATE: November 6, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: 5.61 mi of hot mix asphalt cold milling and resurfacing, detail 7 joint and crack repairs, full-depth concrete pavement repairs, concrete curb and gutter, signing and pavement markings on I-94 (Edsel Ford Freeway) from northbound Conner Street easterly to 8 Mile Road in the cities of Detroit and Harper Woods, Wayne County.

Project Number: 82025-201919

Item Number: 1911 002

Low Bidder: Ajax Paving Industries, Inc.

Eng. Est: \$11,251,235.98 Low Bid: \$12,478,350.27 Difference: \$1,227,114.29 Percent: 10.91

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$11,251,235.98
Ajax Paving Industries, Inc.	\$12,478,350.27
Cadillac Asphalt, L.L.C.	\$16,770,883.95

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main item found to be higher than the engineer's estimate was minor traffic devices. This item was bid higher than normal due to hour restrictions. Work on this project is restricted to nights and weekends only and includes lane restrictions with a limited number of full freeway closures per bound.

Additionally, there are requirements to pave multiple lifts of HMA prior to reopening to traffic at the end of each workday, including weekends, holiday and special event. Also, restrictions limit the number of available weekends the contractor can work. These constraints will cause multiple different lane closures, varied staging throughout the project. These conditions increase the amount of time needed for installing, maintaining, relocating, and removing traffic devices and maintaining local traffic. The estimator considered these factors when estimating the project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of maintaining traffic constraints. This project received two bids of \$12,478,350.27 and \$16,770,883.95, which varied by 34.40 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Detroit TSC request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
J. Hill	O. Adefeso	S. Minton	K. Avery	T. Sauter
J. O'Leary	T. Avramenko			

BOD:DD:QA:RWC:raw

DATE: November 7, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: Traffic signal modernization and upgrades, ITS device installations, concrete curb, gutter, sidewalk and ramps, and pavement markings on US-31/M-37 from South Airport Road to the Grandview Parkway and on M-72 from M-22 to the north junction of US-31 in the city of Traverse City, Grand Traverse County.

Project Number: 28012-113549

Item Number: 1911 004

Low Bidder: J. Ranck Electric, Inc.

Eng. Est: \$4,231,362.23 Low Bid: \$4,922,804.05 Difference: \$691,441.82 Percent: 16.34

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$4,231,362.23
J. Ranck Electric, Inc.	\$4,922,804.05

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were digital type controller and cabinet; hemispherical video detection system; 6 bolt strain pole foundation; radar vehicle dilemma zone detector sensor; and minor traffic devices. These items were bid higher than normal due to multiple site locations, high traffic volumes, and newer technology integration. This project involves 27 different locations within the Traverse City area. Numerous sites, along with significant traffic volumes, will likely require frequent adjustments to traffic control. These devices will need to be set up and taken down multiple times. Also, each location will be integrated into an adaptive signal control system. With the complexity of this system, additional technical support and installation of specialized detection infrastructure will be necessary. The estimator considered these factors when estimating his project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of multiple sites, high traffic volumes, and newer technology integration. This project received one bid of \$4,922,804.05. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Traverse City TSC request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
G. Dawe	D. Pax	G. Deans	S. Thayer	T. Sauter
J. O'Leary	T. Avramenko			

BOD:DD:QA:DLP:raw

DATE: November 8, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: Cured in place culvert liners, underdrain, riprap, guardrail and pavement markings on I-75 over the north and south branches of the Munuscong River, Chippewa County.

Project Number: 17033-128721

Item Number: 1911 009

Low Bidder: J & N Construction, LLC

Eng. Est: \$2,222,464.25 Low Bid: \$2,457,797.31 Difference: \$235,333.06 Percent: 10.59

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$2,222,464.25
J & N Construction, LLC	\$2,457,797.31
Hebert Construction Co.	\$2,907,390.63
Lanzo Companies, Inc.	\$2,981,192.00

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were construction dam, cured-in-place pipe lining, 96-inch; and minor traffic devices. These items were bid higher than normal due to a unique item of work and site conditions. The cured-in-place pipe lining is a unique item of work with limited bid history. With the probability of flood events that could occur, the contractor may need to handle significant volumes of water until the lining is complete by containing the water within the site boundaries. Additionally, this project may involve frequent use of the shoulder or mainline pavement for staging work and equipment, which may require increased use of traffic control devices. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of a unique item of work and site conditions. This project received three bids, ranging from \$2,457,797.31 to \$2,981,192.00, which varied by 21.30 percent. The two lowest bids varied by 18.29 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Newberry TSC request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
D. Rusch	M. Lusk	M. Maloney	A. Johnson	T. Sauter
J. O'Leary	T. Avramenko			

BOD:DD:QA:DLP:raw

DATE: November 6, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: Bridge rehabilitation including deep overlay, railing replacement, substructure repair, riprap, concrete surface coating, fascia beam paint, scour countermeasures, guardrail, concrete pavement, curb and gutter, guardrail and approach work on I-196BL over the Black River, Ottawa County.

Project Number: 70023-122685

Item Number: 1911 012

Low Bidder: Davis Construction, Inc.

Eng. Est: \$893,645.33 Low Bid: \$1,119,593.52 Difference: \$225,948.19 Percent: 25.28

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$893,645.33
Davis Construction, Inc.	\$1,119,593.52
Anlaan Corporation	\$1,155,866.52
Kamminga & Roodvoets, Inc.	\$1,179,220.60
Milbocker and Sons, Inc.	\$1,390,782.23
C. A. Hull Co., Inc.	\$1,521,312.23

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were miscellaneous nonreinforced concrete pavement, minor traffic devices, structure removals and steel structure cleaning pay items. These items were bid higher than normal due to non-production work, staging, complicated removals and access concerns. This project is using a relatively small quantity of nonreinforced concrete, and the lack of production work led to a higher than expected price. The project includes three construction stages that must all be completed within three months, which caused an increase in cost to minor traffic devices. For the bridge barrier replacement work, the entire deck fascia will have to be removed on both sides of the bridge. This is more complicated than the typical structure removals for this type of work, which led to an increase in price. Additionally, water levels at this location are higher than usual this time of year and projected to remain high, making access

difficult to perform steel structure cleaning work. The estimator considered these factors when estimating the project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of non-production work, multiple stages, complicated structure removals and difficulty with access to beams. This project received five bids, ranging from \$1,119,593.52 to \$1,521,312.23, which varied by 35.88 percent. The two lowest bids varied by just 3.24 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Muskegon TSC request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
C. Occhiuto	G. Zack	S. Rozema	E. Kind	M. Chynoweth
T. Sauter	J. O'Leary	T. Avramenko		

BOD:DD:QA:RWC:raw

DATE: November 6, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: 1.30 mi of intersection modification of existing geometrics, ultra-thin hot mix asphalt overlay, sidewalk ramp upgrades, signal work, signing and pavement markings on US-24 from Elmira Street to Wadsworth Street and on Old M-14 (Plymouth Road) from Wormer Street to Hazelton Avenue, Wayne County.

Project Number: 82053-127759

Item Number: 1911 013

Low Bidder: Fonson Company, Inc.

Eng. Est: \$1,825,136.00 Low Bid: \$2,223,587.40 Difference: \$398,451.40 Percent: 21.83

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$1,825,136.00
Fonson Company, Inc.	\$2,223,587.40
Springline Excavating, LLC	\$2,241,556.32
Major Cement Co.	\$2,621,775.02

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were sewer removal, pavement removal, embankment, subbase, hot mix asphalt items, temporary pedestrian path and cabinet items. These items were bid higher than normal due to small quantities and maintaining traffic restrictions. This is a relatively small project with low quantities of many different work types. Additionally, there are multiple construction stages, each with various maintaining traffic constraints, which also led to an increase in cost to the major items of work. The estimator considered these factors when estimating the project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of small quantities and maintaining traffic restrictions. This project received three bids, ranging from

November 6, 2019

\$2,223,587.40 to \$2,621,775.02, which varied by 17.91 percent. The two lowest bids varied by just 0.81 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Taylor TSC request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
M. Bellini	J. Horne	S. Minton	K. Avery	T. Sauter
J. O'Leary	T. Avramenko			

BOD:DD:QA:RWC:raw

DATE: November 7, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: Deck replacement, full painting, pin and hanger replacement, guardrail work and concrete curb and gutter approach work on M-28 over the Baltimore River, Ontonagon County.

Project Number: 66022-126886

Item Number: 1911 016

Low Bidder: Hebert Construction Co.

Eng. Est: \$1,257,968.57 Low Bid: \$1,480,423.74 Difference: \$222,455.17 Percent: 17.68

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$1,257,968.57
Hebert Construction Co.	\$1,480,423.74
Lunda Construction Company	\$1,556,621.30
Zenith Tech, Inc.	\$1,575,682.53
Anlaan Corporation	\$1,673,303.88

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were hot mix asphalt; superstructure concrete, form, finish, and cure, night casting; superstructure concrete, night casting; shear developers; structures, rehabilitation, remove portions; and steel structure, cleaning. These items were bid higher than normal due to the project location, maintaining traffic requirements, and limited working space. The cost to transport equipment and materials structure increases due to the project location in a remote rural area of the Upper Peninsula. Additionally, part-width construction to maintain one lane for two-way traffic, along with a bridge with a narrow deck and spanning a river create a very tight working area. These conditions cause work for the deck removal, concrete forming, and installation of the structural steel components to be labor intensive, increasing the cost. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of the project location, maintaining traffic requirements, and limited working space. This project received four bids, ranging from \$1,480,423.74 to \$1,673,303.88, which varied by 13.03 percent. The two lowest bids varied by 5.15 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Superior Region Office request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
A. Mahdavi	A. Anderson	M. Maloney	A. Johnson	T. Sauter
J. O'Leary	T. Avramenko	M. Chynoweth		

BOD:DD:QA:DLP:raw

DATE: November 5, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: 0.17 mi of hot mix asphalt cold milling and resurfacing, guardrail and pavement markings, bridge rehabilitation including deck replacement, partial painting, slope repair, concrete substructure patching and approach work on M-204 over Lake Leelanau Narrows, Leelanau County.

Project Number: 45041-204229

Item Number: 1911 017

Low Bidder: Grand River Construction, Inc.

Eng. Est: \$1,349,686.93 Low Bid: \$1,669,511.40 Difference: \$319,824.47 Percent: 23.70

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$1,349,686.93
Grand River Construction, Inc.	\$1,669,511.40
Anlaan Corporation	\$1,768,151.97
Milbocker and Sons, Inc.	\$2,114,370.83

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were structures, rehabilitation, remove portions; superstructure concrete, form, finish, and cure; bridge railing, 3 tube, special; and minor traffic devices. These items were bid higher than normal due to maintaining traffic limitations, a unique item of work, and an expedited schedule. The structure will be constructed part-width with narrow offsets, requiring many stages and sub-stages. Additionally, 3-tube bridge railing is a unique item of work and lacked bid history. Furthermore, project work can begin no earlier than March 30, 2020, and must be completed, except for pavement markings, by July 18, 2020. The estimator considered these factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of maintaining traffic limitations, a unique item of work, and an expedited schedule. This project received three bids, ranging from \$1,669,511.40 to \$2,114,370.83, which varied by 26.65 percent. The two lowest bids varied by 5.91 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the North Region Office request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
J. Nadjarian	D. Pax	G. Deans	S. Thayer	T. Sauter
J. O'Leary	T. Avramenko	M. Chynoweth		

BOD:DD:QA:DLP:raw

DATE: November 5, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: Bridge rehabilitation of 8 structures including concrete deck and barrier patching, epoxy overlay, replacement of expansion joint and end header, healer/sealer, guardrail and approach work on US-131 from Indian Lakes Road north to 9 Mile Road (Penasha Road), Kent, Mecosta, and Osceola Counties.

Project Number: 54014-204599

Item Number: 1911 021

Low Bidder: Anlaan Corporation

Eng. Est: \$748,341.41 Low Bid: \$897,233.41 Difference: \$148,892.00 Percent: 19.90

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$ 748,341.41
Anlaan Corporation	\$ 897,233.41
C. A. Hull Co., Inc.	\$1,377,604.27

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main item found to be higher than the engineer's estimate was minor traffic devices. This item was bid higher than normal due to work locations, multiple sites, and an expedited schedule. This rehabilitation project involves eight structures. The distance from the southernmost bridge in Kent County to the northernmost bridge in Osceola County is over 50 miles. The contractor will not be able to work at multiple locations at the same time due to the distance and will be re-mobilizing equipment and personnel several times. In addition, work can begin no earlier than April 20, 2020, and must be completed by July 11, 2020. The estimator considered these factors when estimating his project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of work locations, multiple sites, and an expedited schedule. This project received two bids of \$897,233.41 and \$1,377,604.27, which varied by 53.54 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Grand Region Office request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
J. DeRuyver	K. McReynolds	S. Rozema	E. Kind	T. Sauter
J. O'Leary	T. Avramenko	M. Chynoweth		

BOD:DD:QA:DLP:raw

DATE: November 5, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: 0.99 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, sidewalk, ramps, storm sewer and pavement markings on M-28BR from Gold Street to just south of Water Street in the city of Negaunee, Marquette County.

Project Number: 52081-208386

Item Number: 1911 029

Low Bidder: Bacco Construction Company

Eng. Est: \$888,449.54 Low Bid: \$1,071,412.15 Difference: \$182,962.61 Percent: 20.59

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$ 888,449.54
Bacco Construction Company	\$1,071,412.15
Payne & Dolan Inc.	\$1,083,557.25

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were sidewalk ramp related work; hot mix asphalt paving; and traffic regulator control. These items were bid higher than normal due to non-production work, an urban environment, and maintaining traffic restrictions. The sidewalk ramp related work is performed in small areas and intermittent in nature, limiting productivity. Additionally, paving will be done in short segments with maximum lane closure lengths of a half mile, decreasing production. With the relatively urban environment, numerous traffic regulators will be needed at one time to control traffic at a multitude of intersections. The estimator considered these factors when estimating his project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of non-production work, an urban environment, and maintaining traffic restrictions. This project received two bids of \$1,071,412.15 and \$1,083,557.25, which varied by 1.13 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Ishpeming TSC request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
J. Kauppila	A. Anderson	M. Maloney	A. Johnson	T. Sauter
J. O'Leary	T. Avramenko			

BOD:DD:QA:DLP:raw

DATE: November 12, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: 1.50 mi of hot mix asphalt cold milling and resurfacing, pavement repair, concrete curb, gutter and sidewalk ramps and pavement markings on Oakway Drive from Portage Way to Lakeside Drive, on Central Avenue from Portage Way to Lakeside Drive and on Vista Drive from Lotter Way to the Strand on Belle Isle in the City of Detroit, Wayne County.

Project Number: 82701-201433-2

Item Number: 1911 042

Low Bidder: Ajax Paving Industries, Inc.

Eng. Est: \$600,804.37 Low Bid: \$852,719.84 Difference: \$251,915.47 Percent: 41.93

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$600,804.37
Ajax Paving Industries, Inc.	\$852,719.84
Cadillac Asphalt, L.L.C.	\$910,385.54

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were hot mix asphalt; pavement joint and crack repair; minor traffic devices; and traffic regulator control. These items were bid higher than normal due to the project location and small work area. This project is located on an island, creating challenges when transporting equipment and materials, increasing the cost. Additionally, there is limited space for staging the equipment and materials. Furthermore, work is being performed along four relatively short stretches on three different roadways. The estimator considered these factors when estimating his project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of the project location and small work area. This project received two bids of \$852,719.84 and \$910,385.54, which varied by 6.76 percent. We believe that rejecting this bid and re-letting this

project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Detroit TSC request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
M. Skelton	A. Wilcox	S. Minton	K. Avery	T. Sauter
J. O'Leary	T. Avramenko			

BOD:DD:QA:DLP:raw

DATE: November 5, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: 5.75 mi of micro-surface application, aggregate shoulder upgrade, overband crack filling and pavement markings on I-96 at the US-127 interchange in the city of Lansing, Ingham County.

Project Number: 33084-204189

Item Number: 1911 043

Low Bidder: Pavement Maintenance Systems, LLC

Eng. Est: \$762,442.69 Low Bid: \$853,711.19 Difference: \$91,268.50 Percent: 11.97

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$762,442.69
Pavement Maintenance Systems, LLC	\$853,711.19
American Pavements, Inc.	\$884,182.45
Strawser Construction Inc.	\$899,627.40

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were micro-surface warranty and minor traffic devices. These items were bid higher than normal due to maintaining traffic restrictions. All work must be completed at night or during off peak periods. This reduces production for the contractor and limits the number of consecutive hours to complete work. This led to an increase in cost to the major work items. The estimator considered these factors when estimating the project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of maintaining traffic restrictions. This project received three bids, ranging from \$853,711.19 to \$899,627.40, which varied by 5.38 percent. The two lowest bids varied by just 3.57 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the Lansing TSC request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseau	B. Rottiers	J. Gutting	E. Poole
M. Spare	J. Early	E. Chelotti	D. Parker	T. Sauter
J. O'Leary	T. Avramenko			

BOD:DD:QA:RWC:raw

DATE: November 5, 2019

TO: Patrick J. McCarthy, Director
Bureau of Finance and Administration

FROM: Bradley C. Wieferich, Director
Bureau of Development

SUBJECT: Justification Memo for Bid Acceptance in Excess of 10 Percent of Engineer Estimate

Letting Date: November 1, 2019

Project Description: 12.10 mi of installing center turn lane, signal upgrades, signing, ADA ramps and pavement markings on Harper Avenue from East Grand Boulevard to Morang Avenue in the city of Detroit, Wayne County.

Project Number: 82000-203467

Item Number: 1911 066

Low Bidder: Motor City Electric Utilities Company

Eng. Est: \$1,377,804.00 Low Bid: \$1,526,732.32 Difference: \$148,928.32 Percent: 10.81

The following shows the engineer's estimate and the proposed bids received for this project:

Engineer's Estimate	\$1,377,804.00
Motor City Electric Utilities Company	\$1,526,732.32
Dan's Excavating, Inc.	\$1,596,404.38
Rauhorn Electric, Inc.	\$1,612,580.83
J. Ranck Electric, Inc.	\$1,802,471.39

EXPLANATION FOR DIFFERENCES

The low bidder had unit prices that varied from the normal range. The main items found to be higher than the engineer's estimate were controller and cabinet, digital type, ITS; video detection and analytics system; wireless data acquisition, alerts and analytics system; concrete sidewalk; and minor traffic devices. These items were bid higher than normal due to unique items of work and non-production construction methods. The ITS controller and cabinet, along with the analytics system work, are unique items lacking bid history to effectively compare prices. Additionally, concrete sidewalk is being replaced in small quantities in the quadrants of various signalized intersections, lowering production and increasing costs. The local agency estimator considered several factors when estimating this project but was unable to precisely predict the unit prices.

OVERALL CONCLUSION

As indicated in the above analysis, the low bid is over the engineer's estimate because of unique

November 5, 2019

items of work and non-production construction methods. This project received four bids, ranging from \$1,526,732.32 to \$1,802,471.39, which varied by 18.06 percent. The two lowest bids varied by 4.56 percent. We believe that rejecting this bid and re-letting this project will not result in lower bids, and the low bid should be considered reasonable, based on the factors discussed.

The Bureau of Development and the city of Detroit request that this project be awarded to the low bidder, based on the above conclusion.

Director, Bureau of Development

cc: J. Cotter	D. Harr	S. Thurman	T. Kratofil	Director Ajegba
V. Lake	R. Welter	L. Strzalka	C. Rademacher	MDOT-eProposal
K. Schuster	J. Hinkle	M. Shulick	C. Tennes	R. Worgess-Carveth
S. Fedders	D. Potvin	H. Stinson	K. Curtis	K. Farlin
L. Bretz	C. Masseur	B. Rottiers	J. Gutting	E. Poole
T. Sauter	G. Masinda	A. Wilcox	S. Minton	K. Avery
J. O'Leary	T. Avramenko			

BOD:DD:QA:DLP:raw

REQUEST FOR MICHIGAN STATE
TRANSPORTATION COMMISSION APPROVAL
LETTING EXCEPTIONS AGENDA

November 21, 2019

TRUNKLINE CONTRACTS

1. Letting of November 1, 2019
Letting Call: 1911 002
Project: M 82025-201919
Local Agreement:
Start Date: May 4, 2020
Completion Date: October 5, 2020

Low Bid: **\$12,478,350.27**
Engineer Estimate: \$11,251,235.98
Pct Over/Under Estimate: 10.91 %

5.61 mi of hot mix asphalt cold milling and resurfacing, detail 7 joint and crack repairs, full-depth concrete pavement repairs, concrete curb and gutter, signing and pavement markings on I-94 (Edsel Ford Freeway) from northbound Conner Street easterly to 8 Mile Road in the cities of Detroit and Harper Woods, Wayne County. This project includes a 5-year materials and workmanship pavement warranty.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Ajax Paving Industries, Inc.	\$12,478,350.27	Same	1 **
Cadillac Asphalt, L.L.C.	\$16,770,883.95	Same	2

Total Number of Bidders: 2

2. Letting of November 1, 2019
 Letting Call: 1911 004
 Project: ST 28012-113549, ETC
 Local Agreement: 19-5441
 Start Date: December 2, 2019
 Completion Date: December 5, 2020
- Low Bid: **\$4,922,804.05**
 Engineer Estimate: \$4,231,362.23
 Pct Over/Under Estimate: 16.34 %

Traffic signal modernization and upgrades, ITS device installations, concrete curb, gutter, sidewalk and ramps, and pavement markings on US-31/M-37 from South Airport Road to the Grandview Parkway and on M-72 from M-22 to the north junction of US-31 in the city of Traverse City, Grand Traverse County.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
J. Ranck Electric, Inc.	\$4,922,804.05	Same	1 **

Total Number of Bidders: 1

3. Letting of November 1, 2019
 Letting Call: 1911 009
 Project: NH 17033-128721
 Local Agreement:
 Start Date: 10 days after award
 Completion Date: October 16, 2020
- Low Bid: **\$2,457,797.31**
 Engineer Estimate: \$2,222,464.25
 Pct Over/Under Estimate: 10.59 %

Cured in place culvert liners, underdrain, riprap, guardrail and pavement markings on I-75 over the north and south branches of the Munuscong River, Chippewa County.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
J & N Construction, LLC	\$2,457,797.31	Same	1 **
Hebert Construction Co.	\$2,907,390.63	Same	2
Lanzo Companies, Inc.	\$2,981,192.00	Same	3

Total Number of Bidders: 3

4. Letting of November 1, 2019
 Letting Call: 1911 012
 Project: NH 70023-122685
 Local Agreement:
 Start Date: 10 days after award
 Completion Date: June 25, 2021
- Low Bid: **\$1,119,593.52**
 Engineer Estimate: \$893,645.33
 Pct Over/Under Estimate: 25.28 %

Bridge rehabilitation including deep overlay, railing replacement, substructure repair, riprap, concrete surface coating, fascia beam paint, scour countermeasures, guardrail, concrete pavement, curb and gutter, guardrail and approach work on I-196BL over the Black River, Ottawa County.

3.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Davis Construction, Inc.	\$1,119,593.52	Same	1 **
Anlaan Corporation	\$1,155,866.52	Same	2
Kamminga & Roodvoets, Inc.	\$1,179,220.60	Same	3
Milbocker and Sons, Inc.	\$1,390,782.23	Same	4
C. A. Hull Co., Inc.	\$1,521,312.23	Same	5

Total Number of Bidders: 5

5. Letting of November 1, 2019
Letting Call: 1911 013
Project: M 82053-127759, ETC
Local Agreement:
Start Date: May 26, 2020
Completion Date: September 19, 2022
- Low Bid: **\$2,223,587.40**
Engineer Estimate: \$1,825,136.00
Pct Over/Under Estimate: 21.83 %

1.30 mi of intersection modification of existing geometrics, ultra-thin hot mix asphalt overlay, sidewalk ramp upgrades, signal work, signing and pavement markings on US-24 from Elmira Street to Wadsworth Street and on Old M-14 (Plymouth Road) from Wormer Street to Hazelton Avenue, Wayne County. This project includes a 5-year materials and workmanship pavement warranty and a 2-year pavement performance warranty.

5.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Fonson Company, Inc.	\$2,223,587.40	Same	1 **
Springline Excavating, LLC	\$2,241,556.32	Same	2
Major Cement Co.	\$2,621,775.02	Same	3

Total Number of Bidders: 3

6. Letting of November 1, 2019
Letting Call: 1911 016
Project: NH 66022-126886
Local Agreement:
Start Date: May 4, 2020
Completion Date: October 16, 2020
- Low Bid: **\$1,480,423.74**
Engineer Estimate: \$1,257,968.57
Pct Over/Under Estimate: 17.68 %

Deck replacement, full painting, pin and hanger replacement, guardrail work and concrete curb and gutter approach work on M-28 over the Baltimore River, Ontonagon County. This project includes a 5-year materials and workmanship pavement warranty and a 2-year warranty on bridge coating.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Hebert Construction Co.	\$1,480,423.74	Same	1 **
Lunda Construction Company	\$1,556,621.30	Same	2
Zenith Tech, Inc.	\$1,575,682.53	Same	3
Anlaan Corporation	\$1,673,303.88	Same	4

Total Number of Bidders: 4

7. Letting of November 1, 2019
 Letting Call: 1911 017
 Project: GF19 45041-204229
 Local Agreement:
 Start Date: March 30, 2020
 Completion Date: August 21, 2020

Low Bid: **\$1,669,511.40**
 Engineer Estimate: \$1,349,686.93
 Pct Over/Under Estimate: 23.70 %

0.17 mi of hot mix asphalt cold milling and resurfacing, guardrail and pavement markings, bridge rehabilitation including deck replacement, partial painting, slope repair, concrete substructure patching and approach work on M-204 over Lake Leelanau Narrows, Leelanau County.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Grand River Construction, Inc.	\$1,669,511.40	Same	1 **
Anlaan Corporation	\$1,768,151.97	Same	2
Milbocker and Sons, Inc.	\$2,114,370.83	Same	3

Total Number of Bidders: 3

8. Letting of November 1, 2019
 Letting Call: 1911 021
 Project: M 54014-204599
 Local Agreement:
 Start Date: April 20, 2020
 Completion Date: July 11, 2020

Low Bid: **\$897,233.41**
 Engineer Estimate: \$748,341.41
 Pct Over/Under Estimate: 19.90 %

Bridge rehabilitation of 8 structures including concrete deck and barrier patching, epoxy overlay, replacement of expansion joint and end header, healer/sealer, guardrail and approach work on US-131 from Indian Lakes Road north to 9 Mile Road (Penasha Road), Kent, Mecosta, and Osceola Counties. This project includes a 5-year epoxy overlay performance warranty.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Anlaan Corporation	\$897,233.41	Same	1 **
C. A. Hull Co., Inc.	\$1,377,604.27	Same	2

Total Number of Bidders: 2

9. Letting of November 1, 2019
 Letting Call: 1911 029
 Project: ST 52081-208386
 Local Agreement:
 Start Date: June 8, 2020
 Completion Date: August 21, 2020

Low Bid: **\$1,071,412.15**
 Engineer Estimate: \$888,449.54
 Pct Over/Under Estimate: 20.59 %

0.99 mi of hot mix asphalt cold milling and resurfacing, concrete curb and gutter, sidewalk, ramps, storm sewer and pavement markings on M-28BR from Gold Street to just south of Water Street in the city of Negaunee, Marquette County. This project includes a 3-year materials and workmanship pavement warranty.

3.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Bacco Construction Company	\$1,071,412.15	Same	1 **
Payne & Dolan Inc.	\$1,083,557.25	Same	2

Total Number of Bidders: 2

10. Letting of November 1, 2019
 Letting Call: 1911 040
 Project: ST 37021-204386
 Local Agreement:
 Start Date: January 20, 2020
 Completion Date: October 9, 2020

Low Bid: **\$1,525,992.61**
 Engineer Estimate: \$1,447,998.56
 Pct Over/Under Estimate: 5.39 %

2.06 mi of hot mix asphalt cold milling and resurfacing, concrete driveway, curb, gutter, sidewalk and ramps, aggregate base, drainage, signs, signals and pavement markings on M-20 from Lincoln Road to US-127BR in the city of Mt. Pleasant, Isabella County. This project includes a 3 year and 5-year materials and workmanship pavement warranty.

4.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Central Asphalt, Inc.	\$1,525,992.61	Same	1 **

Total Number of Bidders: 1

11. Letting of November 1, 2019

Letting Call: 1911 042

Project: M 82701-201433-2

Local Agreement:

Start Date: September 8, 2020

Completion Date: October 16, 2020

Low Bid: **\$852,719.84**

Engineer Estimate: \$600,804.37

Pct Over/Under Estimate: 41.93 %

1.50 mi of hot mix asphalt cold milling and resurfacing, pavement repair, concrete curb, gutter and sidewalk ramps and pavement markings on Oakway Drive from Portage Way to Lakeside Drive, on Central Avenue from Portage Way to Lakeside Drive and on Vista Drive from Lotter Way to the Strand on Belle Isle in the city of Detroit, Wayne County. This project includes two 3-year materials and workmanship pavement warranties.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Ajax Paving Industries, Inc.	\$852,719.84	Same	1 **
Cadillac Asphalt, L.L.C.	\$910,385.54	Same	2

Total Number of Bidders: 2

12. Letting of November 1, 2019

Letting Call: 1911 043

Project: IM 33084-204189

Local Agreement:

Start Date: April 6, 2020

Completion Date: August 21, 2020

Low Bid: **\$853,711.19**

Engineer Estimate: \$762,442.69

Pct Over/Under Estimate: 11.97 %

5.75 mi of micro-surface application, aggregate shoulder upgrade, overband crack filling and pavement markings on I-96 at the US-127 interchange in the city of Lansing, Ingham County. This project includes a 2-year pavement performance warranty.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Pavement Maintenance Systems, LLC	\$853,711.19	Same	1 **
American Pavements, Inc.	\$884,182.45	Same	2
Strawser Construction Inc.	\$899,627.40	Same	3

Total Number of Bidders: 3

LOCAL AGENCY CONTRACT

13. Letting of November 1, 2019
Letting Call: 1911 066
Project: HSIP 82000-203467
Local Agreement: 19-5482
Start Date: 10 days after award
Completion Date: September 30, 2020

Low Bid: **\$1,526,732.32**
Engineer Estimate: \$1,377,804.00
Pct Over/Under Estimate: 10.81 %

12.10 mi of installing center turn lane, signal upgrades, signing, ADA ramps and pavement markings on Harper Avenue from East Grand Boulevard to Morang Avenue in the city of Detroit, Wayne County. This is a Local Agency project.

5.00 % DBE participation required

Bidder	As-Submitted	As-Checked
Motor City Electric Utilities Company	\$1,526,732.32	Same 1 **
Dan's Excavating, Inc.	\$1,596,404.38	Same 2
Rauhorn Electric, Inc.	\$1,612,580.83	Same 3
J. Ranck Electric, Inc.	\$1,802,471.39	Same 4

Total Number of Bidders: 4

On receipt of your approval, projects will, at the Director's discretion, be processed and awarded to the low bidder. I approve the project described in this agenda and authorize the award by the responsible management staff of MDOT to the extent authorized by and in accordance with the December 14, 1983, resolution of the State Transportation Commission and the Director's delegation memorandum of February 11, 2019.

Respectfully submitted,

Signed copy on file

Paul C. Ajegba, P.E.
Director

INFORMATION FOR MICHIGAN STATE
TRANSPORTATION COMMISSION

November 21, 2019

The following project information is being provided for informational purposes, as requested by the State Transportation Commission.

TRUNKLINE CONTRACT

1. Letting of November 1, 2019

Letting Call: 1911 049

Project: ST 46062-204088

Local Agreement:

Start Date: July 6, 2020

Completion Date: August 14, 2020

Low Bid: **\$498,534.95**

Engineer Estimate: \$420,550.05

Pct Over/Under Estimate: 18.54 %

2.12 mi of paver placed surface seal, centerline and shoulder corrugations, shoulder gravel and pavement markings on US-223 from the Indiana and Ohio Railroad southeasterly to the east Lenawee county line, Lenawee County. This project includes a 3-year pavement performance warranty.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
Michigan Paving and Materials Company	\$498,534.95	Same	1 **

Total Number of Bidders: 1

LOCAL AGENCY CONTRACT

2. Letting of November 1, 2019
Letting Call: 1911 063
Project: STL 75000-208202
Local Agreement: 19-5465
Start Date: 10 days after award
Completion Date: June 1, 2020

Low Bid: **\$44,434.14**
Engineer Estimate: \$41,833.22
Pct Over/Under Estimate: 6.22 %

Installation of centerline and edge line pavement markings on various routes, Schoolcraft County. This is a Local Agency project.

0.00 % DBE participation required

Bidder	As-Submitted	As-Checked	
P.K. Contracting, Inc.	\$44,434.14	Same	1 **

Total Number of Bidders: 1

These projects, for which the bid is under Five Hundred Thousand Dollars (\$500,000) and has less than two (2) bidders or is a low bid rejection or have other bid issues, are being submitted for informational purposes. The contracts for these projects will, at the Director's discretion, be processed and awarded to the low bidder. I approve the projects described in this agenda and authorize the award by the responsible management staff of MDOT to the extent authorized by and in accordance with the December 14, 1983, resolution of the State Transportation Commission and the Director's delegation memorandum February 11, 2019.

Respectfully submitted,

Signed copy on file

Paul C. Ajegba, P.E.
Director